10. References:

Amores-Sa´ nchez, M. I. & Medina, M. A. Glutamine, As a precursor of glutathione, and oxidative stress. Mol. Genet. Metab, 1999; 67: 100–105.

Anderson PM, Schroeder G, Skubitz KM, et al., Oral glutamine reduces the duration and severity of stomatitis after cytotoxic cancer chemotherapy. Mayo Clinic, Rochester, Minnesota 55905, USA. Cancer, 1998; 83:1433-1439.

Arrieta O, Ortega RMM, Villanueva-Rodriguez G, Serna-Thome MG, Flores-Estrada D, Diaz-Romero C, Rodriguez CM, Martinez L, Sanchez-Lara K, et al, Association of nutritional status and serum albumin levels with advanced non-small cell lung cancer trated with paclitaxel-cisplatin chemotherapy: a prospective study. BMC Cancer, 2010; 10:50.

Austgen, T. R., Dudrick, P. S., Sitren, H., Bland, K. I., Copeland, E. M. & Souba, W. W. The effects of glutamine-enriched total parenteral nutrition on tumour growth and host tissues. Ann. Surg., 1992; 215: 107–113.

Barbar C, RD, CNSD et al., The role of glutamine in oncology therapy. 2001; 1:1-6.

Bingisser RM, Tilbrook PA, Holt PG, Kees UR.et al., Macrophage-derived nitric oxide regulates T-cell activation via reversible disruption of the Jak3/STAT5 signaling pathway. J Immunol, 1998; 160:5729–5734.

Bozzetti F, Biganzoli L, Gavazzi C, Cappuzzo F, Carnaghi C, Buzzoni R, Dibartolomeo M, Baietta E. Glutamine supplementation in cancer patients receiving chemotherapy: a double-blind randomized study. Nutrition J, 1997; 13:748-751.

Buck M, Chojkier M. Muscle wasting and dedifferentiation induced by oxidative stress in a murine model of cachexia is prevented by inhibitors of nitric oxide synthesis and antioxidants. EMBO J, 1996; 15:1753-1765.

Canuto RA, Muzio G, Bassi AM, Maggiora M, Leonarduzzi G, Lindahl R, Dianzani MU, Ferro M. Enrichment with arachidonic acid increases the sensitivity of hepatoma

cells to the cytotoxic effects of oxidative stress. Free Radic Biol Med, 1995; 18:287-293.

Caro MMM, Laviano A, Pichard C, et al, Nutritional intervention and quality of life in adult oncology patients, 2007; 10: 480-487.

Chen PH, Shieh TY, Ho PS, Tsai CC, Yang YH, Lin YC, Ko MS, Tsai PC, Chiang SL, Tu HP, Ko YC. Prognostic factors associated with the survival of oral and pharyngeal carcinoma in Taiwan. BMC Cancer, 2007; 7:101.

Cheng KK, Lee DT. Effects of pain, fatigue, insomnia, and mood disturbance on functional status and quality of life of elderly patients with cancer. Crit Rev Oncol Hematol, 2010; 34: 87-91.

Cheng L, Sturgis EM, Eicher SA, Char D, Spitz MR, Wei Q. et al., Glutathione-S-transferase polymorphisms and risk of squamous-cell carcinoma of the head and neck. International Journal of Cancer. 1999; 84:220-4.

Daniel M, Parris M, Kidd, et al, Glutathione: Systemic Protectant Against Oxidative Stress and Free Radical Damage. Pioneer in cell biology, 1997; 2:76-90.

Decker-Baumann, C., Buhl, K., Frohmuller, S., von Herbay, A., Dueck, M. & Schlag, P. M. Reduction of chemotherapy-induced side-effects by parenteral glutamine supplementation in patients with metastatic colorectal cancer. Eur. J. Cancer, 1999; 35:202–207.

Detsky A S, John R, McLaughlin, Jeffrey P, Johnston N, Whittaker S, Khursheed N, What is Subjective Global Assessment of Nutritional Status?. Journal of Parenteral and Enteral Nutrition, 1987; 11:8-13.

Fahr MJ, Kornbluth J, Blossom S, Schaeffer R, Klimberg VS. Harry M. Vars Research Award. Glutamine enhances immunoregulation of tumor growth. JPEN J Parenter Enteral Nutrition, 1994; 18:471-476.

Fletcher JP, Little JM: A comparison of parenteral nutrition and early postoperative enteral feeding on the nitrogen balance after major surgery. 1986; 100:21–24.

Friesen C, et al, Cell Death and Differentiation advance online publication, 2004; 23:1–2.

Gianotti L, Braga M, Vignali A, et al: Effect of route of delivery and formulation of postoperative nutritional support in patients undergoing major operations for malignant neoplasms. Arch Surg. 1997; 132: 1222–1229.

Hebert J, Augustine A, Barone J, Kabat G, Kinne D, Wynder E, et al, Weight, height and body mass index in the prognosis of breast cancer: Early results of a prospective study, International Journal of Cancer, 2006; 42(3):315-318.

Huang EY, Leung SW, Wang CJ, et al.: Oral glutamine to alleviate radiation-induced oral mucositis: a pilot randomized trial. Int J Radiat Oncol Biol Phys. 2000; 46 (3): 535-539.

Jebb SA, Osborne RJ, Maughan TS, Mohideen N, Mack P, Mort D, Shelley MD, Elia M. et al, 5-fluorouracil and folic acid-induced mucositis: no effect of oral glutamine supplementation. MRC Dunn Clinical Nutrition Centre, Cambridge, UK. Br J Cancer. 1994; 70:732-735.

Jensen, J. C., Schaefer, R., Nwokedi, E., Bevans, D. W., III, Becker, M. L., Pappas, A. A., Westbrook, K. C. & Klimberg, V. C. Prevention of chronic radiation enterotherapy by dietary glutamine. Ann. Surg. Oncol. 1994; 1: 157–163.

Jian ZM, Cao JD, Zhu XG, Zhao WX, Yu JC, Ma EL, Wang XR, Zhu MW, Shu H, Liu YW..The impact of alanyl-glutamine on clinical safety, nitrogen balance, intestinal permeability, and clinical outcome in postoperative patients: a randomized, double-blind, controlled study of 120 patients. JPEN J Parenter Enteral Nutr. 1999; 23(5) S62-66.

Kehrer JP, Lund LG, et al, Cellular reducing equivalents and oxidative stress. Free Red Bio Med. 1994; 17:65–75.

Kono K, Salazar-Onfray F, Petersson M, et al. Hydrogen Peroxide secreted by tumor-derived macrophages down-modulates signal transducing molecules and inhibits tumor-

specific T-cell and natural killer cell-mediated cytotoxicity. Eur J Immunol. 1996; 26:1308–1313.

Kouznetsova L, et al, Glutamine reduces phorbol- 12, 13-dibutyrate induced macromolecular hyper permeability in HT-29C1, 19A intestinal cells, JPEN. 1999; 23:136–139.

Leitch E F, Chakrabarti M, Crozier J E M, McKee R F, Anderson J H, Horgan P G and McMillan D C, Comparison of the prognostic value of selected markers of the systemic inflammatory response in patients with colorectal cancer, British Journal of Cancer, 2007; 97:1266–1270.

Lewin S, et al, Vitamin C: Its Molecular Biology and Medical Potential. New York, NY: Academic Press. 1976; 42-59.

Lionel D, Christophe L, Marc A, and Jean-Luc C, et al. Oral mucositis induced by anticancer treatments: physiopathology and treatments, Centre Hospitalier Notre-Dame et Reine Fabiola, Charleroi, Belgium. 2006; 2:159–168.

Luque P, Paredes S, Segura JA, Núñez de Castro I, Medina MA. Mutual effect of glucose and glutamine on their utilization by tumour cells. Biochem Int. 1990; 21(1):9-15.

Malmberg KJ, Lenkei R, Petersson M, Manju V, Kalavani Sailaja J, Nalini N, et al. A short-term dietary supplementation, circulating lipid peroxidation and antioxidant status in cervical cancer patients: a case-control study. Clinical Biochemistry, 2002; 35:621-625.

McMillan, Donald C, Systemic inflammation, nutritional status and survival in patients with cancer, Current Opinion in Clinical Nutrition & Metabolic Care, 2009; 12(3):223-226.

Miller, A. L. Therapeutic considerations of L-glutamine: a review of the literature. Altern. Med. Rev. 1999; 4:239–248.

Montazeri A. Quality of life data as prognostic indicators of survival in cancer patients: an overview of the literature from 1982 to 2008. Health Qual Life Outcomes, 2009; 7:102.

Nair MT, Cheng MC, Barker A, Rouse BS. High dose rate (HDR) brachytherapy technique: for carcinoma of uterine cervix using Nucletron applicators. Med Dosim, 1995; 20(3):201-7.

Navarro J, Obrador E, Carretero J, Petschen I, Aviñó J, Perez P, Estrela J, Changes in glutathione status and the antioxidant system in blood and in cancer cells associate with tumour growth in vivo, Free Radical Biological Medicine, 1999; 26(3-4): 410–418.

Okuno SH, Woodhouse CO, Loprinzi CL, Sloan JA, LaVasseur BI, Clemens-Schutjer D, Swan D, Axvig C, Ebbert LP, Tirona MR, Michalak JC, Pierson N, et al, Phase III controlled evaluation of glutamine for decreasing stomatitis in patients receiving fluorouracil (5-FU)-based chemotherapy. Mayo Clinic and Mayo Foundation, Rochester, Minnesota 55905, USA. Am J Clin Oncology, 1999; 22:258-261.

Panigrahi P et al, Role of glutamine in bacterial trans-cytosis and epithelial cell injury, JPEN, 1997; 21:75–80.

Parris M. Kidd, Ph.D., Glutathione: Systemic Protectant Against Oxidative and Free Radical Damage, Alt Med Review, 1997; 2:155-176.

Piazza-Barnett R, Matarese LE: Enteral nutrition in adult medical/surgical oncology. In: McCallum PD, Polisena CG, eds.: The Clinical Guide to Oncology Nutrition. Chicago, Ill: The American Dietetic Association, 2000; 106-118.

Pytlík R, Benes P, Patorková M, Chocenská E, Gregora E, Procházka B, Kozák T, et al, Standardized parenteral alanyl-glutamine dipeptide supplementation is not beneficial in autologous transplant patients: a randomized, double-blind, placebo controlled study. Department of Clinical Haematology. Bone Marrow Transplant, 2002; 30:953-961.

Raykher A, MD, Russo L, MS, Schattner M, MD, Schwartz L, MD, Scott B, RN, Shike M, MD, et al., Enteral Nutrition Support of Head and Neck Cancer Patients,

Department of Medicine, Memorial Sloan-Kettering Cancer Center, New York, Nutrition Clinical Practice, 2007; 22: 689-690.

Reznick AZ, Klein I, Eiserich JP, Cross CE, Nagler RM, et al., Inhibition of oral peroxidase activity by cigarette smoke: in vivo and in vitro studies. Free Radic Biology & Medicine, 2003; 34(3):377-384.

Saadeh CE, et al, Chemotherapy - and radiotherapy-induced oral mucositis: review of preventive strategies and treatment, Pharmacotherapy. Department of Pharmacy Practice, College of Pharmacy, Ferris State University, Big Rapids, Michigan, USA, 2005; 25:540-554.

Sabitha KE, Shyamaladevi CS. Oxidant and antioxidant activity changes in patients with oral cancer and treated with chemotherapy. Oral oncology, 1999; 35:273 –277.

Shaw JHF, Wolfe RR. Glucose and urea kinetics in patients with early and advanced gastrointestinal cancer: the response to glucose infusion and TPN. Surgery (St Louis), 1987; 101:181 -186.

Shike M: Enteral feeding, in ShilsME, OlsonJA, ShikeM (eds): Modern Nutrition in Health and Disease, ed 8. Philadelphia, Lea & Febiger, 1994; 95:1417–1429.

Skubitz KM, Anderson PM., et al, Oral glutamine to prevent chemotherapy induced stomatitis: a pilot study. Department of Medicine, University of Minnesota Medical School, Minneapolis, USA. J Lab Clinical Medicine, 1996; 127:223-228.

Smith RJ, Wilmore DW. Glutamine nutrition and requirements. JPEN J Parenter Enteral Nutrition, 1990; 87:1494S-1499S.

Spijkervet, F., H. Saene, et al. "Scoring irradiation mucositis in head and neck cancer patients." Journal of Oral Pathology & Medicine, 1989; 18(3): 167-171.

Subramanian S, Sankaranarayanan R, Bapat B, Somanathan T, Thomas G, Mathew B, Vinoda J, Ramadas K. Cost-effectiveness of oral cancer screening: results from a cluster randomized controlled trial in India. Bull World Health Organ, 2009; 87:200-206.

Terrell JE. Quality of life assessment in head and neck cancer patients. Hematol Oncology Clinic North America. 1999;13:849-865.

Tisdale MJ. Loss of skeletal muscle in cancer: biochemical mechanism. Front Biosci 2001; 6:D164-174.

Tormos C, Javier Chaves F, Garcia MJ, Garrido F, Jover R, O'Connor JE, Iradi A, Oltra A, Oliva MR, Sáez GT, et al, Role of glutathione in the induction of apoptosis and c-fos and c-jun mRNAs by oxidative stress in tumor cells, Cancer Letters, 2004; 208(1):103 - 113.

Weijl NI, Cleton FJ, Osanto S. Free radicals and antioxidants in chemotherapy-induced toxicity. Cancer Treat Rev, 1997; 23:209–240.

Yoshida, S., Kaibara, A., Yamsaki, K., Ishibashi, N., Noake, T. & Kakegawa, T. Effect of glutamine supplementation on protein metabolism and glutathione in tumour-bearing rats. J. Parenter. Enteral Nutrition, 1995; 19:492–497.

Ziegler TR, et al, Safety and metabolic effects of L-glutamine administration in humans, JPEN, 1990; 14:1375 – 1435.